5. (Amended) The device of claim 1, wherein the first filter element comprises at least two layers.

6. (Amended) The device of claim 1, wherein the first filter element has a CWST of at least about 90 dynes/cm.

7. (Amended) The device of claim 1, wherein the filter includes no more than one membrane.

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8. (Amended) The device of claim 1, wherein the filter is arranged to substantially prevent the passage of red blood cells therethrough.

9. (Amended) A system for processing a biological fluid comprising:

the device of claim 1; and

at least a first container and a second container, the first and second containers being suitable for use with biological fluid, wherein the device is interposed between the first and second containers.

13. The method of claim 10 wherein the leukocyte-containing plasma-rich fluid comprises a leukocyte- and platelet-depleted biological fluid.

Cancel claims 15 and 16, without prejudice.

Add the following claims:

17. (New) The device of claim 1, wherein the second filter element comprises a porous membrane having a pore size in the range of from about 0.3 to about 3 micrometers.

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18. (New) The device of claim 7, wherein the second filter element comprises a porous membrane having a pore size in the range of from about 0.3 to about 3 micrometers.

19. (New) The device of claim 3, wherein the second filter element comprises a porous membrane having a pore size in the range of from about 0.3 to about 3 micrometers.

20. (New) A filter device for processing a biological fluid comprising:

a housing having an inlet and an outlet and defining a fluid flow path between the inlet and the outlet;

a filter disposed in the housing across the fluid flow path, the filter comprising;

a first filter element comprising a porous fibrous red cell barrier and leukocyte depletion medium having a CWST of at least about 70 dynes/cm; and

a second filter element comprising a porous membrane having a pore size of about 5 micrometers or less, said second filter element being disposed downstream of the first filter element;

wherein the filter includes no more than one membrane, and is arranged to allow plasma to pass therethrough and substantially prevent the passage of leukocytes therethrough.